

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

PUBLICATION COPY

36-086-12
LAFAYETTE QUADRANGLE
209 TERR.-14 KY.
13630-WB600/15
DIAGRAM NO 16-11
NASHVILLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Macon and Sumner Counties; Tenn.
and Allen Counties; Ky.

Final adjustment of 1973

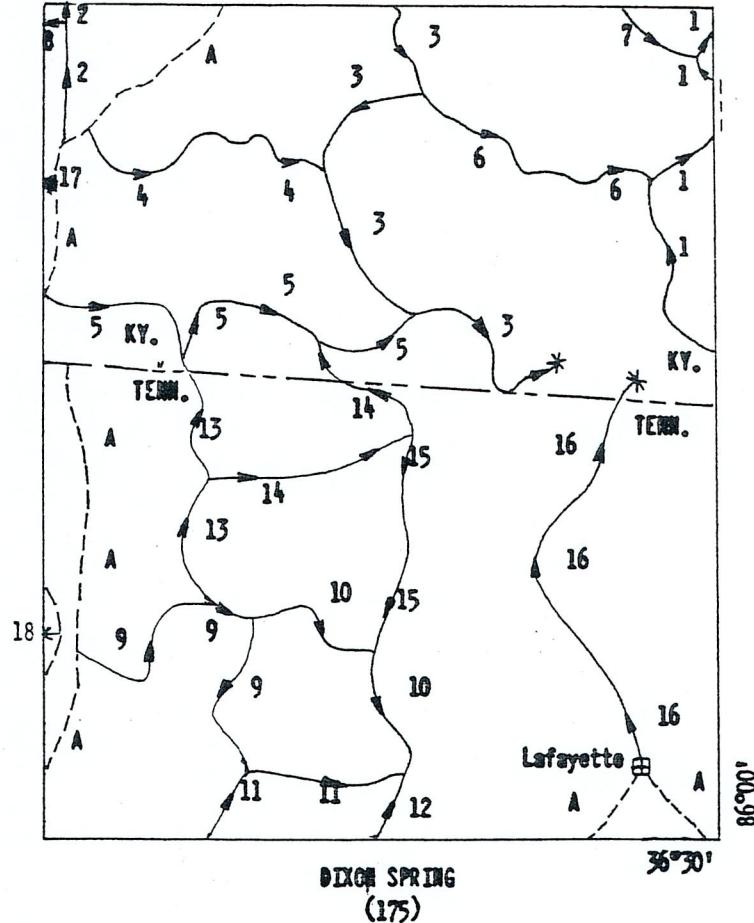
Edition of 11/13/73

PR: DSW/maa

SCOTTSVILLE
(42)

ADOLPHUS
(15 KY.-209 TERR.)

RED BOILING SPRINGS
(13 KY.-207 TERR.)



NGS (USCGS) VERTICAL CONTROL DATA

A

A Quadrangle 360861

* Isolated Bench Marks

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| ISOLATED BENCH MARKS (By A. B. Williams, 1923; Book B1617, S. L. Parker, 1927; Books B2613 and B2612) | <u>Feet</u> |
|--|-------------|
| Scottsville, 4.4 mi E. of; at junction of Maysville Road and rd. SE. to Holland Post Office; in angle at forks; on iron post; standard cap stamped "PRIM TRAV STA NO 35 1919 KY W 20 22" (Reported destroyed, 1953) | 808.609 |
| Wagonford, 1.4 mi S. of; 100 ft S. of T-rd. S.; at residence of Frank Shockley; 1 ft E. of fenceline on W. side of rd.; 20 ft S. of gate to field; 15 ft from center of rd.; in limestone boulder; standard tablet stamped "W 29 23 KY" (Reported destroyed, 1952) | 810.475 |
| Mt. Union Church, 0.5 mi W. of, thence 1.2 mi SW.; 20 ft NE. of junction of T-rd. N.; 15 ft SE. of mailbox of J. A. Stayton; on iron post; standard cap stamped "PRIM TRAV STA NO 8 1920 KY W 33 23" (Reported destroyed, 1963) | 883.262 |
| Adolphus, 3.0 mi E. of; 0.2 mi S. of Macedonia Church; at rd. forks on Tennessee-Kentucky line; 20 ft N. of centerline of rd.; 30 ft S. of SE. corner of residence of A. J. Brown; in corner of yard; on iron post; standard cap stamped "PRIM TRAV STA NO 7 1920 KY W 34 23" | 839.091 |
| Westmoreland, 47 ft NW. of NW. corner of RR. baggage platform; 25 ft W. of track; 20 ft N. of public rd; in SE. corner of small park; in stone post; standard tablet stamped "P 5 1927" | 910.571 |
| Lafayette, 3.6 mi NE. of; 72 ft S. of center of triangle of rd. forks E.; on E. side of rd; in concrete post; standard tablet stamped "TT STA NO 9 T 1927" | 945.756 |
| Lafayette, in NE. corner of Lafayette Courthouse yard; 2 ft S. of iron fence; in concrete post; standard tablet stamped "TT STA NO 10 T 1927" (Tied NGS, 1935) (Not found, 1956) | 963.322 |
| Elia, 2.4 mi W. of on Bledsoe Creek Road; in Philips Hollow; 21 ft N. and 6 ft E. of E. end of triangle of forks of rd. S.; at mailbox of Mamie Bresn; in SE. corner of front yard of W. A. Harrison; in concrete post; standard tablet stamped "TT STA NO 32 T 1927" | 692. 89 |
| Lafayette, 6.1 mi W. of; 0.7 mi W. of Alton Hill; at "Gap on the Ridge"; 34 ft S. and 35 ft E. of SE. corner of general store owned by D. L. Hull; 41 ft N. of new state Hwy; in SW. corner of front yard of residence of D. L. Hull; in concrete post; standard tablet stamped "TT STA NO 30 T 1927" (Reported destroyed, 1957) | 928.819 |

ISOLATED BENCH MARKS (Cont'd.)Feet

Lafayette, 3.2 mi SW. of; 1.1 mi S. of Brattontown; on Lafayette-Hartsville Pike; 1 ft S. and about 15 ft E. of NE. corner of Sullivan School; 39 ft W. of new state road; in school yard; in concrete post; standard tablet stamped "TT STA NO 29 T 1927" (Not found, 1956)

969.551

LINE 1.

By R. H. Paine, 1952; Book AV 316

Lafayette, 10.3 mi N. of; 2.2 mi W. of Walkers Spring; on Akersville-Hayesville Road; 21 ft W. and 40 ft S. of SW. corner of Puncheon Creek Church (abandoned); on N. side of rd.; in limestone outcrop; standard tablet stamped "TT STA NO 7 T 1927 634"

633.669

Puncheon Creek Baptist Church (abandoned); 1.5 mi N. of; 0.2 mi S. of Roark Cemetery; 320 ft E. of Puncheon Creek; 84 ft SW. of corner of house; 17 ft S. of center of rd.; near foot of small hill; in limestone outcrop; about 2 ft E. of W. edge; standard tablet stamped "TT 28 JRH 1952 613"

612.931

Red Hill School, 1.7 mi NE. of; 24 ft S. and 34 ft W. of junction of T-rd. S.; 32 ft W. of centerline of rd. S.; 28 ft S. of centerline of E.-W. rd.; 43 ft E. of NE. corner of shed; 16 ft W. of 8-in. cedar tree; in concrete post; standard tablet stamped "TT 27 JRH 1952 815"

814.992

Fountain Run, 3.7 mi SW. of; 1.1 mi W. of Flatwoods School; 57 ft SW. of junction of T-rd. S.; 34 ft S. of centerline of State Highway 100; 29 ft WNW. of centerline of graveled rd. S.; 3 ft N. and 11 ft W. of intersection of extended fencelines S. and W.; on iron post; standard cap stamped "PRIM TRAV STA NO 12 1920 KY W 28 1923 RESET JRH 1952 805"

804.654

Jogs into Red Boiling Springs Quadrangle

Fountain Run, 2.3 mi NW. of; 125 ft SE. of junction of T-rd. S. at offset crossroads; 18 ft SSW. of centerline of E.-W. rd.; 67 ft E. of 48-in. oak tree; 2 ft SE. of fence corner; in concrete post; standard tablet stamped "TT 24 JRH 1952 789"

788.888

LINE 2.

By R. H. Paine, 1953; Book AV 342

"J 63 1955 WGS

613.431

Petroleum, 2.0 mi N. of; 2.0 mi S. of Hickory Hill Church; in triangular island at crossroads; 13 ft NW. of rd. on SE. side; 30 ft E. of rd. on W. side; 64 ft SW. of rd. on NE. side; in concrete post standard tablet stamped "33 RHP 1953 785"

785.213

Reference Mark, 75 ft SW. of tablet, in root on E. side of 24-in. white oak tree; copper nail and washer

785.46

Hickory Hill Church, 500 ft E. of; 4.0 mi SW. of Scottsville; 22 ft N. and 23 ft W. of; and 2 ft lower than intersection of State Highway 100 and graveled rd. N. and dirt rd. S.; 2 ft NW. of corner fencepost; in concrete post; standard tablet stamped "34 RHP 1953 771"

770.527

LAFAYETTE QUADRANGLE
Book AV 342

208 TENN.=14 KY

R. H. Paine

36-006-12

5

1953

LINE 3.

Feet

By R. H. Paine, 1953; Book AV 342

Chestnut Point Church, 0.9 mi E. of; 4.4 mi E. of Scottsville; 40 ft E. of and 1 ft higher than Y-rd. fork; 24 ft N. of graveled rd.; 0.5 ft S. of fence; in concrete post; stamped "37 RHP 1953 RESET 1964"

806.513

Roary, 2.1 mi W. of; at I-rd. SW.; 35 ft SW. of State Highway 100; 20 ft NW. of graveled rd.; 2.5 ft higher than intersection; 2 ft NW. of corner fence post; in concrete post; standard tablet stamped "38 RHP 1953 810"

809.687

Reference mark, 95 ft NE. of tablet, in S. base of 24-in. hickory tree; rail spike

811.36

Westmoreland, 10.0 mi NE of; 5.0 mi SE of Scottsville; 36 ft W. of center of graveled rd.; 18 ft N. of SE. corner of small barn; 17 ft W. of white witness post; in concrete post flush with ground; NGS standard triangulation station disk stamped "AMOS 1950" (Reported not found, 1954)

966.428

Reference mark No. 1, 17 ft E. of center of graveled rd.; 1 ft E. of fenceline; in concrete post; NGS standard reference mark disk stamped "AMOS NO 1 1950"

964.061

Reference mark No. 2, 20 ft E. of center of graveled rd.; in concrete post; NGS standard reference mark disk stamped "AMOS NO 2 1950"

964.454

Amos, 3.9 mi NW. of; 1.2 mi SE. of Amos triangulation station; 90 ft S. of, and about level with Y-rd. fork; 32 ft SW. of graveled rd.; in concrete post; standard tablet stamped "39 RHP 1953 880"

879.526

Reference mark, 97 ft NNE. of tablet; on NW end of concrete tile culvert; chiseled square

880.39

Amos, 0.8 mi NW. of; about 700 ft SW. of New Salem Church; 32 ft SW. of, and 1.5 ft higher than Y-rd. fork; in concrete post; standard tablet stamped "40 RHP 1953 831"

880.405

Reference mark, 40 ft SE. of tablet; in root on NE side of 54-in. oak tree; copper nail and washer

829.67

Hayesville, 1.5 mi NE. of; 740 ft W. of state line, 10 ft N. and 10 ft E. of I-rd. W., on E. side of rd.; on iron post; standard post stamped, PRIM TRAV STA NO 10 KY 1920 W 31 23" 833.231

LINE 4.

By R. H. Paine, 1953; Book AV 342

"U 63 1935" (NGS) (Also in line 2)

613.431

Petroleum, 1.6 mi E. of; 0.3 mi W. of Mt. Pleasant triangulation station, 131 ft NW. of NW. corner of frame house; 34 ft S. of center of U.S. Highway 31E; 14 ft SE. of 50-in. oak tree; in concrete post; NGS standard azimuth disk stamped "MT PLEASANT 1950"

766.801

LINE 4. (Cont'd)Feet

Scottsville, 4.0 mi SW. of; on grounds of Mt. Pleasant Methodist Church; 167 ft NE. of NE. corner of church; 52 ft SE. of center of U.S. Highway 31E; 8 ft S. of 40-in. oak tree; in concrete post set flush; NGS standard triangulation disk stamped "MT PLEASANT 1950" (Moved position-elev. lost)

Reference mark No. 1; 129 ft NE. of NE. corner of church; 22 ft W. of Knight family tombstone; in concrete post; NGS standard reference mark disk stamped "MT PLEASANT NO 1 1950"

786.906

Reference mark No. 2; 43 ft SE. of center of Hwy.; 22 ft. SW. of 40-in. oak tree; in concrete post; NGS standard reference mark disk stamped "MT PLEASANT NO 2 1950"

784.716

Mt. Pleasant Methodist Church, 2.0 mi E. of; 150 ft S. of, and 1 ft higher than V-rd. fork; 2 ft NE. of N. corner of Shady Grove School; in concrete post; standard tablet stamped "35 RHP 1953 800"

799.455

Reference mark; 11 ft SW. of tablet; on NE. end of bottom concrete step; chiseled square

800.16

U.E., Dover Church, 28 ft S. of, and 2 ft higher than graveled rd.; on W. end of bottom concrete step of church; chiseled square

841.13

Shady Grove School, 1.1 mi NE. of, thence 0.8 mi SE.; 57 ft NW. of, and 1 ft lower than V-rd. fork; 2 ft NW. of corner fencepost; in concrete post; standard tablet stamped "36 RHP 1953 855"

854.470

Reference mark, 47 ft ENE. of tablet; in root on SW. side of 2½-in. red oak tree; rail spike

856.82

LINE 5.

By R. H. Paine, 1953; Book AV 342

Adelphus, 0.9 mi. W. of, thence 2.1 mi E.; 5.1 mi W. of Mt. Union Church; 32 ft W. and 20 ft S. of, and about level with I-rd. fork; 3 ft S. of power pole; in concrete post; standard tablet stamped "43 RHP 1953 805"

805.356

Reference mark; 65 ft NE. of tablet; on NW. corner of concrete base of gasoline pump; chiseled square

805.46

U.E., Mt. Union Church, 3.6 mi W. of; on S. end of E. wheelguard of concrete bridge over Florida Creek; chiseled square

661.44

Mt. Union Church, 3.6 mi W. of, thence 1.2 mi. S.; about 250 ft N. of Tenn.-Ky line; at U.S.G.S. ground-water recorder; 10 ft E. of graveled rd.; on S. end of E. concrete headwall of culvert; standard tablet stamped "44 RHP 1953 662"

661.806

Reference mark; 25 ft NW. of tablet; on N. end of W. headwall of concrete culvert chiseled square

661.67

LINE 5. (Cont'd)Feet

Mt. Union Church, 2.8 mi W. of; 115 ft SE. of, and 1 ft higher than crossroads; 20 ft NE. of
graveled rd.; 8 ft. W. of gasoline pump; in concrete post; standard tablet stamped
"45 RHP 1953 827"

826.655

Reference mark; 95 ft E. of tablet; in root on N. side of 20-in. white oak tree; copper nail
and washer

827.55

W.E., Mt. Union Church, 1.6 mi W. of; 120 ft N. of, and about level with gravelled rd.; on
SW. corner of concrete porch of Maple Grove Baptist Church; chiseled square

873.56

Mt. Union Methodist Church; about level with V-rd. fork; 5.3 ft W. of SW. corner of
church; in concrete post; standard tablet stamped "46 RHP 1953 938"

937.911

Reference mark; 27 ft. W. of tablet; in root on S. side of 30-in. oak tree; copper
nail and washer

938.32

Mt. Union Church, 2.4 mi E. of; 280 ft SE. of residence of J. B. Mapier; 50 ft E. of
ford over Long Creek, 20 ft E. of large oak tree; in solid ledge; standard tablet
stamped "PRIM TRAV STA NO 9 KY 1920 W 32 23"

631.589

LINE 6.

By R. H. Paine, 1953; Book AV 342

"38 RHP 1953 810" (Described in line 3)

809.687

Roary, 48 ft S. of State Highway 100; 48 ft NE. of NE. corner of Oak Forest Baptist
Church; 2 ft NE. of NW. corner of cemetery; in concrete post; standard tablet stamped
"41 RHP 1953 817"

816.198

Reference mark; 34 ft NW. of tablet; in SW. base of 14-in. locust tree; rail spike

812.01

W.E., Roary, 1.0 mi SE. of; at concrete and steel bridge over Long Creek; on NW.
concrete wingwall; chiseled square

591.27

W.E. Holland, 40 ft W. of center of triangle at junction of State Highways 99 and
100; on SW. corner of concrete retaining wall; chiseled square

803.01

Holland, 0.4 mi SE. of, along State Highway 99; 34 ft NE. of hwy.; 2 ft S. of fence
corner and white witness post; 52 ft NE. of 24-in. oak tree; in concrete post set
flush; NGS standard triangulation station disk stamped "HOLLAND 1950"

815.441

Reference mark No. 1; 103 ft S. of station; 49 ft SW. of center of State Highway 99;
42 ft E. of E. corner of residence of Iva Tracy; 13 ft E. of 10-in. sycamore tree;
in concrete post set flush; NGS standard reference mark disk stamped "HOLLAND NO 1 1950"

811.736

Reference mark No. 2; 89 ft SW of station; 55 ft N. of 24-in. oak tree; 23 ft SW. of
center of State Highway 99; 1 ft NE. of fenceline; in concrete post; NGS standard
reference mark disk stamped "HOLLAND NO 2 1950"

816.137

Holland, 1.6 mi E. of; at steel bridge over Barren River; in N. end of W. concrete abutment;
standard tablet stamped "42 RHP 1953 589"

588.690

LINE 6. (Cont'd)

Reference mark; 150 ft E. of tablet; on N. end of E. concrete abutment; chiseled square

508.21

"PRIM TRAV STA NO 12 1920 KY W 28 23 RESET JRM 1952 805" (Described in line 1)

804.654

LINE 7.

By R. H. Paine, 1953; Book AV 342

| | | |
|------------|--|---------|
| 5 36 12.54 | Fountain Run, 2.3 mi W. of; 0.8 mi E. of Tracy Creek School; at offset crossroads; 24 ft S. of L-rd. N.; on iron post; standard cap stamped; "PRIM TRAV STA NO 36 1919 COOP KY W 23 788" (Disturbed, 1952) | 788.348 |
| 5 36 12.54 | "TJ 24 JRM 1952 789" (Described in line 1) | 788.888 |

LINE 8.

By R. H. Paine, 1953; Book AV 342

"34 RHP 1953 771" (Described in line 2)

770.527

LINE 9.

By S. E. Mattingly, 1956; Book AV 484

| | | |
|-----------|--|---------|
| 4 31 0.00 | "Z 85" (NGS) (Reported not found, 1968) | 904.729 |
| 4 32 1.70 | U.E.; at NW. corner of concrete bridge; on headwall; chiseled square | 827.93 |
| 4 33 2.71 | Reference mark, 4 ft SW of tablet; on SE. end of concrete base for gasoline pumps; chiseled square | 896.69 |
| 4 33 2.71 | Siloam, 25 ft N. and 42 ft W. of and 1.5 ft higher than junction of L-rd. N.; in NE. corner of concrete base of sign post for Mobilgas; standard tablet stamped "45 MAT 1956 897" | 897.170 |
| 4 37 5.44 | Siloam, 2.7 mi NE. of; 25 ft E. of, and 1 ft higher than junction of L-rd. N.; about 75 ft E. of Big Tramm Creek; 3 ft E. of wire fence; in concrete post; standard tablet stamped "46 MAT 1956 761" | 760.985 |
| 4 39 6.88 | U.E., 60 ft N. and 25 ft W. of, and level with crossroads; near SW. corner of concrete base for gasoline pumps (Mobilgas); chiseled square | 943.97 |

LINE 9 (Cont'd)

| | | | |
|------|-------|--|---------|
| 4 40 | 7.84 | U.E., about 200 ft N. of New Liberty Church; 9 ft S. and 10 ft W. of, and 2 ft lower than junction of L-rd. E.; on NW. end of concrete drain pipe; chiseled square | 953.51 |
| 4 42 | 9.62 | Reference mark, about 63 ft NW. of tablet; on NE. corner of concrete walk leading S. to residence; chiseled square | 957.71 |
| 4 43 | 9.63 | Sileam, 1.5 mi E. of; 1.0 mi NW. of Elulia; 21 ft N. and 54 ft E. of, and 4 ft higher than crossroads; 2 ft W. of wire fence; 2 ft S. of power pole; in concrete post; standard tablet stamped "47 MAT 1956 980" | 979.630 |
| 4 45 | 10.66 | U.E., Elulia; in front of Carr Grocery; near NE. corner of concrete base for S. gasoline pump; chiseled square | 957.84 |
| 4 46 | 11.16 | U.E., 23 ft S. and 40 ft W. of, and 6 ft lower than N. fork of triangle formed by L-rd. intersection of Highways 141 and 52; on top of concrete wall around yard; W. side of steps leading to house; chiseled square | 958.135 |

LINE 10.

By S. E. Mattingly, 1956; Book AV 484

| | | | |
|------|------|--|---------|
| 4 48 | 0.00 | "UE chiseled square (Described in line 9) | 943.97 |
| 4 49 | 1.02 | Oakdale, 3.8 mi E. of; 30 ft N. and 28 ft E. of, and 2 ft higher than junction of L-rd. E. over West Fork Creek; about 30 ft W. of creek; in concrete post; standard tablet stamped "48 MAT 1956 751" | 750.281 |
| 4 49 | 1.02 | Reference mark, 25 ft SE. of tablet; at NW. corner of bridge over West Fork Creek; on concrete headwall; chiseled square | 751.18 |
| 4 56 | 3.94 | Reference mark; 230 ft N. of tablet; 18 ft S. of SE. corner of concrete porch to feed store; on E. side of concrete base to gasoline pump; chiseled square | 951.52 |
| 4 56 | 3.94 | Oakdale, 0.5 mi S. of; 15 ft N. and 30 ft W. of, and 4 ft higher than junction of L-rd. W.; at SE. corner of yard; 17 ft E. of house; in concrete post; standard tablet stamped "49 MAT 1956 956" | 952.923 |
| 4 60 | 6.53 | U.E., 15 ft N. of, and 2 ft higher than center of rd.; at SE. corner of concrete walk leading N. to residence; 33 ft N. of storm cellar; chiseled square | 960.98 |
| 4 62 | 7.11 | Gap of the Ridge, 68 ft NW. and 69 ft SW. of, and 7 ft higher than centerline of intersection of W. prong of triangle of rd. N.; 98 ft S. of front steps of residence of W. E. Jenkins; at S. corner of front yard; 1 ft N. of wire fence; in concrete post; standard tablet stamped "58 MAT 1956 923" | 923.300 |

LAFAYETTE QUADRANGLE
Books AV 484

208 TENN.-14 KY.

S. E. Mattingly

36-886-12

10

1956

LINE 11.

Feet

By S. E. Mattingly, 1956; Books AV 484

| | | |
|------------|---|----------|
| 3 51 9.33 | U.E., 75 ft S. and 30 ft W. of, and 8 ft higher than crossroads running SW. and SE.; 10 ft E. of wagon road; on rock outcrop; chiseled square, | 988.05 |
| 3 53 10.23 | Reference mark, 104 ft N. of tablet; 30 ft N. of NW. corner of cemetery; on NW. corner of bottom step to church; chiseled square | 1031.83 |
| 3 53 10.23 | Eulia, 1.8 mi S. of; about 70 ft S. of Fairview Missionary Baptist Church; 44 ft N. and 41 ft E. of and level with I-rd. SE.; 5 ft N. N. of power pole; 1 ft W. of fence to cemetery; in concrete post; standard tablet stamped "34 MAT 1956 1035" | 1034.749 |
| 3 57 12.76 | Lafayette, 8.8 mi W. of; 8.0 mi E. of Westmoreland; 2.8 mi W. of Gap of the Ridge; 39.5 ft E. and 36.5 ft N. of crossroads known as Cross Lanes; in SW. corner of front yard of residence and directly N. of abandoned store; in concrete post; standard tablet stamped "TT STA NO 31 T 1927" | 1006.942 |

LINE 12.

By S. E. Mattingly, 1956 ; Book AV 484

"38 MAT 1956 923" (Describe in line 10) 923.300

LINE 13.

By S. E. Mattingly, 1956; Book AV 484

| | | |
|-----------|---|---------|
| 4 64 0.00 | "46 MAT 1956 7761" (Described in line 9) | 760.985 |
| 4 65 1.86 | U.E., about 45 ft S. of large white house on W. side of rd., at NE. corner of concrete culvert; on wingwall; chiseled square, painted "UE 720.8" | 720.65 |
| 4 67 3.09 | Rocky Mound, 1.5 mi W. of; 33 ft N. and 27 ft W. of, and level with Y-rd.; 12 ft E. of telephone pole; 1 ft W. of wire fence; in concrete post; standard tablet stamped "50 MAT 1956 698" | 697.859 |
| 4 70 5.53 | U.E., about 45 ft N. of I-rd. E.; at NW. corner of bridge over Dry Fork Creek; on concrete headwall; chiseled square | 762.48 |

LINE 14.

By S. E. Mattingly, 1956; Book AV 484

4 73 0.00 "50 MAT 1956 698" (Described in line 13) 697.859

LINE 14. (Cont'd)

| | | | | |
|---|----|------|--|---------|
| 4 | 74 | 0.73 | W.E., 13 ft S. of centerline of rd.; on NW. corner of concrete walk leading S. to residence (white asbestos siding); chiseled square | 894.80 |
| 4 | 75 | 1.52 | Lafayette, about 10 mi NW. of; 5.0 mi NE. of Westmoreland; on grounds of small concrete block church; 75 ft W. of NW. corner of church; 17 ft E. of center of dirt rd., 5 ft S. of white witness post; in concrete post flush with ground; NGS triangulation station disk stamped "ROCKY MOUND 1950" | 966.035 |
| 4 | 75 | 1.52 | Reference mark No. 1; 1 ft W. of NW. corner of church; in concrete post flush with ground; NGS standard reference mark disk stamped "ROCKY MOUND NO 1 1950" | 967.475 |
| 4 | 75 | 1.52 | Reference mark No. 2; 101 ft SW. of SW. corner of church; 20 ft E. of center of dirt rd.; in concrete post flush with ground; NGS standard reference mark disk stamped "ROCKY MOUND NO 2 1950" | 963.554 |
| 4 | 77 | 3.04 | Rocky Mound, 1.5 mi E. of; 21 ft S. and 6 ft E. of, and 4 ft higher than junction of L-rd. N.; 2 ft SW. of fence corner; in concrete post; standard tablet stamped "51 MAT 894 1956" | 893.987 |
| 4 | 79 | 3.84 | U.E., 13 ft NW. center of rd., on SE. side of concrete base to gasoline pump in front of Wesley Marsh grocery store; chiseled square | 687.77 |
| 5 | 2 | 5.84 | Reference mark, 13 ft W. of tablet; in concrete headwall to steel bridge; chiseled square | 663.69 |
| 5 | 2 | 5.84 | Mayesville triangulation station, about 1.5 mi SW. of; 420 ft E. of crossroads; at SW. corner of steel bridge over Long Creek; in concrete headwall; standard tablet stamped "52 MAT 1956 664" | 663.824 |
| 5 | 3 | 6.46 | U.E., about 175 ft S. of L-rd W.; at NW. corner of wooden bridge over Hanging Rock Creek; on concrete abutment; chiseled square | 664.25 |

LINE 15.

By S. E. Mattingly, 1956; Book AV 484

| | | | | |
|---|----|------|--|---------|
| 5 | 10 | 0.00 | "U.E., RR Spike (Described in line 14) | 674.60 |
| 5 | 12 | 2.20 | Oakdale, 1.4 mi W. of; 21 ft S., and 27 ft W. of, and 1 ft higher than junction of L-rd. W.; in concrete post; standard tablet stamped "53 MAT 1956 717" | 716.251 |
| 5 | 17 | 4.10 | "54 MAT 1956 953" (Described in line 10) | 952.923 |

LINE 16.

By S. E. Mattingly, 1956; Book AV 484

| | | | | |
|---|----|------|-----------------|---------|
| 5 | 19 | 0.00 | "X 82 1955" NGS | 960.503 |
|---|----|------|-----------------|---------|

LINE 16. (Cont'd)

| | | | |
|------|-------|---|---------|
| 5 21 | 1.62 | U.E., 18 ft W. and 9 ft S. of, and level with intersection with private drive W. to residence of W. H. Reagan; on concrete headwall to culvert; chiseled square | 941.22 |
| 5 22 | 2.26 | Reference mark, 18 ft S. of tablet; on SE. corner of concrete headwall to culvert; chiseled square | 939.20 |
| 5 22 | 2.26 | Maple Grove; 0.6 mi SE. of; 2.25 mi NW. of Lafayette; 23 ft E. and 10 ft N. of, and level with L-nd. E.; in E. end of concrete headwall to culvert; standard tablet stamped "54 MAT 1956 940" | 939.650 |
| 5 23 | 2.95 | U.E., about 440 ft W. of Lafayette Baptist Orphans Home; 25 ft N. and 35 ft W. of, and level with L-nd N.; on N. end of concrete headwall to culvert; chiseled square | 924.73 |
| 5 26 | 4.17 | U.E., about 160 ft NW. of Gulf Interstate Natural Gas Line; 21 ft E. of junction of private rd. E.; on headwall to concrete culvert; chiseled square | 930.63 |
| 5 27 | 4.81 | U.E., 60 ft N. and 25 ft W. of, and 6.5 ft lower than L-nd. fork SW.; on S. end of headwall to concrete culvert; chiseled square | 950.11 |
| 5 28 | 5.29 | Reference mark, 15 ft S. of tablet; on headwall to concrete culvert; chiseled square | 948.86 |
| 5 28 | 5.29 | Maple Grove, 3.4 mi NW. of; 2.0 mi SW. of Green Valley; 230 ft S. of L-nd.; 9 ft N. and 25 ft W. of, and 0.5 ft lower than junction of private drive W.; in headwall to concrete culvert; standard tablet stamped "55 MAT 1956 949" | 948.912 |
| 5 32 | 7.91 | Green Valley, 35 ft NW. of, and 2 ft higher than L-nd. N.; 51 ft SW. of SW. corner of barn; 1 ft NW. of wire fence; in concrete post; standard tablet stamped "56 MAT 1956 740" | 739.656 |
| 5 34 | 8.92 | U.E., 50 ft E. of, and 2 ft higher than center of rd.; on SW corner of concrete floor to wall; chiseled square | 859.85 |
| 5 36 | 10.47 | Hayesville, 4.0 mi NE. of; 0.8 mi S. of Red Hill School; 100 ft S. of house of J. F. Barton; 30 ft S. of forks; in concrete post; standard tablet stamped "PRIM TRAV STA NO 11 KY 1920 W 30 23 841" | 840.882 |

LINE 17.

By R. H. Paine, 1953; Book AV 342

"U 63 1935" (NGS)

513.431

LINE 18.

By S. E. Mattingly, 1956; Book AV 484

"Z 85 1935" (NGS)

904.728

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

36-086-12
EAFAYETTE QUADRANGLE
208 TENN.-14 KY.
N3630-W8600/15
DIAGRAM NJ 16-11
NASHVILLE

Macon and Sumner Counties, Tenn.;
Allen County, Ky.

Edition of 6/23/76

PR: CRV/rmm

Plane coordinates are based on Lambert projection,
Kentucky, South Zone, and Tennessee Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

SCOTTSVILLE
(42)

ADOLPHUS
(15 KY.-209 TENN.)

KENTUCKY
TENNESSEE

RED BOILING SPRINGS
(13 KY.-207 TENN.)

Lafayette
田

86°00'

DIXON SPRING
(175)

36°30'

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

| <u>MARK (USGS)</u> | <u>PAGE NO.</u> |
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| PTS NO 35 1919 KY W 20 22 | 3 |
| PTS NO 36 1919 COOP KY W 23 788 | 3 |
| PTS NO 7 1920 KY W 34 23 | 5 |
| PTS NO 8 1920 KY W 33 23 | 3 |
| PTS NO 9 1920 KY W 32 23 | 3 |
| PTS NO 10 1920 KY W 31 23 | 3 |
| PTS NO 11 1920 KY W 30 23 841 | 3 |
| PTS NO 12 1920 KY W 28 1923 RESET JRH 1952 805 | 3 |
| TT STA NO 7 T 1927 634 | 3 |
| TT STA NO 9 T 1927 | 4 |
| TT STA NO 10 T 1927 | 5 |
| TT STA NO 29 T 1927 | 4 |
| TT STA NO 30 T 1927 | 4 |
| TT STA NO 31 T 1927 | 4 |
| TT STA NO 32 T 1927 | 4 |
| TT 24 JRH 1952 789 | 4 |
| TT 27 JRH 1952 855 | 4 |
| TT 28 JRH 1952 613 | 5 |
| TT 1 RJH 1952 | 5 |
| TT 12 TWC 1953 | 5 |
| 33 RHP 1953 785 TT | 5 |
| 34 RHP 1953 771 TT | 5 |

208 TENN.-14 KY.
LAFAYETTE QUADRANGLE

36-086-12

3

| STATION | DESCRIPTION | LATITUDE | LONGITUDE |
|---------|-------------------------|-----------|-----------|
| | PLANE COORDINATES, FEET | ° ' " | ° ' " |

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By B. H. Yoakum, 1919; Book A4939

Scottsville, 4.4 mi E. of; at junction of Maysville Road and rd. SE. to Holland Post Office; in angle at forks; on iron post; standard cap stamped "PRIM TRAV STA NO 35 1919 KY W 20 22" (Reported destroyed, 1953)

| | | | | |
|-------|---------------|-------------|-------------|-------------|
| Tenn) | X = 1,964,211 | Y = 857,634 | 36 44 52.60 | 86 07 19.70 |
|-------|---------------|-------------|-------------|-------------|

Fountain Run, 2.3 mi W. of; 0.8 mi E. of Tracy Creek School; at offset crossroads; 24 ft S. of T-rd. N.; on iron post; standard cap stamped "PRIM TRAV STA NO 36 1919 COOP KY W 23 788" (Reported disturbed, 1952)

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,999,528 | Y = 852,999 | 36 44 06.99 | 86 00 05.80 |
|---------------|-------------|-------------|-------------|

Mt. Union Church, 0.5 mi W. of, thence 1.2 mi SW.; 20 ft NE. of junction of T-rd. N.; 15 ft SE. of mailbox of J. A. Stayton; on iron post; standard cap stamped "PRIM TRAV STA NO 8 1920 KY W 33 23" (Reported destroyed, 1963)

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,951,656 | Y = 817,573 | 36 38 16.31 | 86 09 53.11 |
|---------------|-------------|-------------|-------------|

Mt. Union Church, 2.4 mi E. of; 280 ft SE. of residence of J. B. Napier; 50 ft E. of ford over Long Creek; 20 ft E. of large oak tree; in solid ledge; standard tablet stamped "PRIM TRAV STA NO 9 1920 KY W 32 23"

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,968,267 | Y = 821,350 | 36 38 53.88 | 86 06 29.38 |
|---------------|-------------|-------------|-------------|

Haysville, 1.5 mi NE. of; 740 ft N. of State line; 10 ft N. and 10 ft E. of junction of T-rd. W.; on E. side of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 10 1920 KY W 31 23"

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,978,602 | Y = 816,653 | 36 38 07.54 | 86 04 22.52 |
|---------------|-------------|-------------|-------------|

Haysville, 4.0 mi NE. of; 0.8 mi S. of Red Hill School; 100 ft S. of residence of J. F. Barton; 30 ft S. of junction of rd. W.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 11 1920 KY W 30 23 841"

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,990,646 | Y = 817,757 | 36 38 18.52 | 86 01 54.76 |
|---------------|-------------|-------------|-------------|

Fountain Run, 3.7 mi SW. of; 1.1 mi W. of Flatwoods School; 57 ft SW. of junction of T-rd. S.; 34 ft S. of centerline of State Highway 100; 29 ft WNW. of centerline of graveled rd. S.; 3 ft N. and 11 ft W. of intersection of extended fencelines S. and W.; on iron post; standard cap stamped "PRIM TRAV STA NO 12 1920 KY W 28 1923 RESET JRH 1952 805"

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,996,725 | Y = 840,038 | 36 41 58.84 | 86 00 40.22 |
|---------------|-------------|-------------|-------------|

By C. A. Turner, 1927; Books C7975-80

Lafayette, 10.3 mi N. of; 2.2 mi W. of Walkers Spring; 40 ft S. and 21 ft W. of SW. corner of Puncheon Creek Baptist Church (abandoned); on N. side of rd.; in limestone outcrop; standard tablet stamped "TT STA NO 7 T 1927 634"

| | | | |
|---------------|-------------|-------------|-------------|
| X = 1,998,268 | Y = 815,260 | 36 37 53.84 | 86 00 21.25 |
|---------------|-------------|-------------|-------------|

208 TENN.-14 KY.
LAFAYETTE QUADRANGLE

36-086-12

4

| STATION | DESCRIPTION | LATITUDE | LONGITUDE |
|---------|-------------------------|----------|-----------|
| | PLANE COORDINATES, FEET | ° ′ ″ | ° ′ ″ |

OBsolete MARKS (Cont'd.)

Lafayette, 3.6 mi NE. of; 72 ft S. of center of triangle formed by junction of rd. E.; on E. side of rd.; in concrete post; standard tablet stamped "TT STA NO 9 T 1927"

Tenn.) $X = 1,997,661$ $Y = 789,692$ 36 33 41.02 86 00 28.66

Lafayette, in NE. corner of courthouse yard; 2ft S. of iron fence; in concrete post; standard tablet stamped "TT STA NO 10 T 1927" (Not found, 1956)

$X = 1,992,430$ $Y = 774,912$ 36 31 14.87 86 01 32.73

By C. A. Turner, 1927; Book C8039

Lafayette, 3.2 mi SW. of; 1.1 mi S. of Brattontown, along Lafayette-Hartsville Pike; 1. ft S. and about 15 ft E. of NE. corner of Sullivan School; in schoolyard; in concrete post; standard tablet stamped "TT STA NO 29 T 1927" (Not found, 1956)

$X = 1,979,606$ $Y = 773,376$ 36 30 59.62 86 04 09.83

Lafayette, 6.1 mi W. of, 0.7 mi NW. of Alton Hill; along State Highway 52; at Gap of the Ridge; 41 ft N. of centerline of hwy.; 34 ft S. and 35 ft E. of SE. corner of general store; in SW. corner of yard at residence of D. L. Hall; in concrete post; standard tablet stamped "TT STA NO 30 T 1927" (Reported destroyed, 1957)

$X = 1,967,312$ $Y = 770,035$ 36 31 35.69 86 06 40.47

Lafayette, 8.8 mi W. of; 8.0 mi E. of Westmoreland; 2.8 mi W. of Gap of the Ridge, along State Highway 52; at Cross Lanes; 40 ft E. and 36 ft N. of crossroads; in SW. corner of frontyard of residence; directly N. of abandoned store; in concrete post; standard tablet stamped "TT STA NO 31 T 1927"

$X = 1,955,787$ $Y = 775,283$ 36 31 18.21 86 09 01.63

Eulia, 2.4 mi W. of, along Bledsoe Creek Road; in Phillips Hollow; 21 ft N. and 6 ft E. of E. end of triangle formed by junction of rd. S.; in SE. corner of frontyard of residence of H. A. Harrison; in concrete post; standard tablet stamped "TT STA NO 32 T 1927"

$X = 1,938,187$ $Y = 773,134$ 36 30 56.64 86 12 37.18

Fountain Run, 2.3 mi NW. of; 125 ft SE. of junction of T-rd. S. at offset crossroads; 18 ft SSW. of centerline of E.-W. rd.; 67 ft E. of 48-in. oak tree; 2 ft SE. of fence corner; in concrete post; standard tablet stamped "TT 24 JRH 1952 789"

$X = 1,999,725$ $Y = 852,886$ 36 44 05.87 86 00 03.38

Red Hill School, 1.7 mi NE. of; 24 ft S. and 34 ft W. of junction of T-rd. S.; 32 ft W. of centerline of rd. S.; 28 ft S. of centerline of E.-W. rd.; 43 ft E. of NE. corner of shed; 16 ft W. of 8-in. cedar tree; in concrete post; standard tablet stamped "TT 27 JRH 1952 815"

$X = 1,995,498$ $Y = 827,926$ 36 39 59.07 86 00 55.25

208 TENN.-14 KY.
LAFAYETTE QUADRANGLE

36-086-12

5

| STATION | DESCRIPTION | LATITUDE | LONGITUDE |
|---------|-------------------------|-----------|-----------|
| | PLANE COORDINATES, FEET | ° ' " | ° ' " |

OBSOLETE MARKS (Cont'd.)

Pucheon Creek Baptist Church (abandoned); 1.5 mi N. of; 0.2 mi S. of Roark Cemetery; 320 ft E. of Pucheon Creek; 84 ft SW. of W. corner of house; 17 ft N. of centerline of rd.; near foot of hill; in W. edge of large limestone outcrop; standard tablet stamped "TT 28 JRH 1952 613"

Tenn.) X = 1,999,577 Y = 821,769 36 38 58.21 86 00 05.18

Galen, 4.2 mi NW. of, thence 1.2 mi W.; 0.4 mi S. of Pucheon Creek Church (abandoned); just S. of Ky.-Tenn. State line; 73 ft SSW. of centerline of rd. at powerline crossing (steel towers); 21 ft NW. of NE. leg of steel tower; 13 ft ESE. of NW. leg of steel tower; 2 ft N. of picket fence; in concrete post; standard tablet stamped "TT 1 RJH 1952"

X = 1,998,743 Y = 813,948 36 37 40.87 86 00 15.42

By T. W. Cayce, 1953; Book AH 314

Scottsville, 5.4 mi SW. of courthouse, along U. S. Highway 31E.; at overhead RR. trestle; in concrete headwall of bridge over Trammel Creek; standard tablet stamped "TT 12 TWC 1953"

X = 1,927,408 Y = 841,368 36 42 11.08 86 14 51.34

Petroleum, 2.0 mi N. of; 2.0 mi S. of Hickory Hill Church; in triangular island at crossroads; 64 ft SW. of rd. on NE. side; 30 ft E. of rd. on W. side; 13 ft NW. of rd. on SE. side; in concrete post; standard tablet stamped "33 RHP 1953 785 TT"

X = 1,929,774 Y = 847,736 36 43 14.10 86 14 22.48

Scottsville, 4.0 mi SW. of, along State Highway 100; 500 ft E. of Hickory Hill Church; 22 ft N. and 23 ft W. of, and 2 ft lower than centerline of Highway 100 at junction of graveled rd. N. and dirt rd. S.; 2 ft NW. of corner fencepost; in concrete post; standard tablet stamped "34 RHP 1953 771 TT"

X = 1,928,263 Y = 856,462 36 44 40.34 86 14 41.31

MARK TIED BY NGS

By B. H. Yaokum, 1920; Books C5105-8

Adolphus, 3.0 mi E. of; 0.2 mi S. of Macedonia Church; at rd. forks on Tennessee-Kentucky line; 20 ft N. of centerline of rd.; 30 ft S. of SE. corner of residence of A. J. Brown; in corner of yard; on iron post; standard cap stamped "PRIM TRAV STA NO 7 1920 KY W 34 23"

X = 1,935,638.45 Y = 818,770.20 36 38 27.836 86 13 09.658